

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOC. NO.</b> 244/121	<b>SERIAL NO.</b> 09/349,194
	<b>APPLICANT:</b> Kenneth F. Buechler et al.	
	<b>FILING DATE:</b> July 7, 1999	<b>GROUP:</b> 1643

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
gry	AA	4,727,019	2/23/88	Valkirs et al.			
gry	AB	5,290,678	3/1/94	Jackowski	435	7.4	5/3/91
gry	AC	5,458,852	10/17/95	Buechler et al.			
gry	AD	5,574,779	11/12/96	Ely et al.	379	207	5/1/95

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AE	3 022 873	12.07.89	Germany (Katus et al.)				✓
	AF	0 394 819	18.04.90	EPO (Katus et al.)				
gry	AG	2 248 688	14.04.92	GB (Jackowski)			✓	
	AH	4 243 648	23.12.92	Germany (Lill et al.)				✓
	AI	4 405 249	23.02.93	Germany (Larue et al.)				
	AJ	94/17477	23.06.94	WO/PCT (Powell et al.)				
gry	AK	2 275 774	07.09.94	UK (Larue et al.)			✓	
gry	AL	94/27156	24.11.94	WO/PCT (Wicks et al.)			✓	
	AM	2 116 066	02.21.94	Canada (Larue et al.)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
gry	AN	Adams et al., "Comparable Detection of Acute Myocardial Infarction by Creatine Kinase MB Isoenzyme and Cardiac Troponin I," <u>Clin. Chem.</u> 40:1291-1295 (1994)
	AO	Anderson et al., "Troponin T Isoform Expression in Humans," <u>Circul. Res.</u> 69:1226-1233 (1991)
gry	AP	Ball et al., "Isoform Specific Interactions of Troponin I and Troponin C Determines pH Sensitivity of Myofibrillar Ca <sup>2+</sup> Activation," <u>Biochem.</u> 33:8464-8471 (1994)
gry	AQ	Bhavsar et al., "Developmental expression of troponin I isoforms in fetal human heart," <u>FEBS Letters</u> 292:5-8 (1991)
gry	AR	Bhayana et al., "Discordance Between Results for Serum Troponin T and Troponin I in Renal Disease," <u>Clin. Chem.</u> 41:312-317 (1995)
gry	AS	Blechner et al., "4Ca <sup>2+</sup> -Troponin C Forms Dimers in Solutions at Neutral pH That Dissociate upon Binding Various Peptides: Small-Angle X-ray Scattering Studies of Peptide-Induced Structural Changes," <u>Biochem.</u> 31:11326-11334 (1992)
gry	AT	Bodor et al., "Development of Monoclonal Antibodies for an Assay of Cardiac Troponin-I and Preliminary Results in Suspected Cases of Myocardial Infarction," <u>Clin. Chem.</u> 38:2203-2214 (1992)

<b>EXAMINER:</b> Gailene B. Dabel	<b>DATE CONSIDERED:</b> 9-29-00
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

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<del>_____</del>	AU	Borrebaeck ed., Index, <u>Antibody Engineering: A Practical Approach</u> , Oxford University Press, Oxford (1995)
87b	AV	Burtneck et al., "The isolation and characterization of the tropomyosin binding component (TN-T) of bovine cardiac troponin," <u>Can. J. Biochem.</u> 54:546-553 (1976)
87c	AW	Byers et al., "Hydrodynamic Properties of Bovine Cardiac Troponin-I and Troponin-T*," <u>J. Biol. Chem.</u> 258:2951-2954 (1983)
<del>_____</del>	AX	<del>Chomczynski and Sacchi, "Single-Step Method of RNA Isolation by Acid Guanidium Thiocyanate-Phenol-Chloroform Extraction," <u>Analytical Biochemistry</u> 162:156-159 (1987)</del>
87d	AY	Collins et al., "Early Diagnosis of Acute Myocardial Infarction with Use of a Rapid Immunochemical Assay of Creatine Kinase MB Isoenzyme," <u>Clin. Chem.</u> 39:1725-1728 (1993)
87e	AZ	Cummins et al., "Cardiac Specific Troponin-I Radioimmunoassay in the Diagnosis of Acute Myocardial Infarction," <u>American Heart Journal</u> 113:1333-1344 (1987)
87f	BA	Cummins et al., "Troponin I from Human Skeletal and Cardiac Muscles," <u>Biochem. J.</u> 171:251-259 (1978)
<del>_____</del>	BB	<del>Glaser et al., "Antibody Engineering by Codon-Based Mutagenesis in a Filamentous Phage Vector System," <u>J. Immunology</u> 149:3903-3913 (1992)</del>
<del>_____</del>	BC	<del>Harlow and Lane, Index, <u>Antibodies, A Laboratory Manual</u>, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY (1988)</del>
87g	BD	Horwitz et al., "Interaction of Troponin Subunits," <u>J. Biol. Chem.</u> 254:350-355 (1979)
87h	BE	Huse et al., "Application of a Filamentous Phage pVIII Fusion Protein System Suitable for Efficient Production, Screening and Mutagenesis of F(ab) Antibody Fragments," <u>J. Immunol.</u> 149:3914-3920 (1992)
<del>_____</del>	BF	<del>Kabat et al., <u>Sequences of Proteins of Immunological Interest - Volume II</u>, 5th edition, U.S. Department of Health and Human Services, Publish Health Service - National Institutes of Health, pp. 1250-1312, 1350-1460 and 1571-1588 (1991)</del>
87i	BG	Katus et al., "Diagnostic Efficiency of Troponin T Measurements in Acute Myocardial Infarction," <u>Circulation</u> 83:902-912 (1991)
87j	BH	Katus et al., "Intracellular Compartmentation of Cardiac Troponin T and Its Release Kinetics in Patients with Reperfused and Nonreperfused Myocardial Infarction," <u>Am. J. Cardiol.</u> 67:1360-1367 (1991)
87k	BI	Katus et al., "Development and in vitro characterization of a new immunoassay of cardiac troponin T," <u>Clin. Chem.</u> 38(3):386-393 (1992)
87l	BJ	LaRue et al., "New Monoclonal Antibodies as Probes for Human Cardiac Troponin I: Epitopic Analysis with Synthetic Peptides," <u>Molecular Immunology</u> 29:271-278 (1992)
87m	BK	Leavis et al., "Calcium Binding to Cardiac Troponin C <sup>1,2</sup> ," <u>Arch. Biochem. Biophys.</u> 186:411-415 (1978)
87n	BL	Liao et al., "Coupling of Calcium to the Interaction of Troponin I with Troponin C from Cardiac Muscle," <u>Biochem.</u> 33:12729-12734 (1994)

EXAMINER: <i>Andrzej B. Grabel</i>	DATE CONSIDERED: <i>9/29/00</i>
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gfs	BM	Liao et al., "Time-resolved tryptophan emission study of cardiac troponin I," <u>Biophys. J.</u> 63:986-995 (1992)
gfs	BN	MacGeoch et al., "The human cardiac troponin I locus: assignment to chromosome 19p13.2-19q13.2," <u>Hum. Genet.</u> 88:101-104 (1991)
gfs	BO	Metzger et al., "Skeletal troponin C reduces contractile sensitivity to acidosis in cardiac myocytes from transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> 90:9036-9040 (1993)
gfs	BP	Olah et al., "A Model Structure of the Muscle Protein Complex 4Ca <sup>2+</sup> -Troponin C-Troponin I Derived from Small-Angle Scattering Data: Implications for Regulation," <u>Biochem.</u> 33:12800-12806 (1994)
gfs	BQ	Olah et al., "Troponin I Encompasses an Extended Troponin C in the Ca <sup>2+</sup> -Bound Complex: A Small-Angle X-ray and Neutron Scattering Study," <u>Biochem.</u> 33:8233-8239 (1994)
gfs	BR	Pearlstone et al., "Effects of Troponin-I Plus -C on the Binding of Troponin-T and its Fragments to $\alpha$ -Tropomyosin," <u>J. Biol. Chem.</u> 258:2534-2542 (1983)
gfs	BS	Pearlstone et al., "The interaction of rabbit skeletal muscle troponin-T fragments with troponin-I," <u>Can. M. Biochem. Cell. Biol.</u> 63:212-218 (1985)
gfs	BT	Pluskal et al., "Immunobilon™ PVDF Transfer Membrane: A new Membrane Substrate For Western Blotting of Proteins," <u>BioTechniques</u> 4:272-283 (1986)
gfs	BU	Potter, "Preparation of Troponin and Its Subunits," <u>Methods in Enzymology</u> 85:241-263 (1982)
gfs	BV	Sai-Ming Ngai et al., "Biologically Important Interactions between Synthetic Peptides of the N-terminal Region of Troponin I and Troponin C*," <u>J. Biol. Chem.</u> 267:15615-15723 (1992)
gfs	BW	Schreier et al., "Cloning, Structural Analysis, and Expression of the Human Slow Twitch Skeletal Muscle/Cardiac Troponin C Gene*," <u>J. Biol. Chem.</u> 265:21247-21253 (1990)
	BX	Silver et al., "Modulation of vascular and cardiac contractile protein regulatory mechanisms by calmodulin inhibitors and related compounds," <u>Chemical Abstracts</u> 105:72-73 at abstract no. 108490k (1986)
	BY	Steiner et al., "The interaction of melittin with troponin C," <u>Chemical Abstracts</u> 107:263 at abstract no. 19647r (1987)
gfs	BZ	Stull et al., "Phosphorylation of Cardiac Troponin by Cyclic Adenosine 3':5'-Monophosphate-dependent Protein Kinase*," <u>J. Biol. Chem.</u> 252:851-857 (1977)
gfs	CA	Syska, <u>FEBS Letters</u> (1974)
	CB	<del>Tietz, <u>Textbook of Clinical Chemistry</u> (1986)</del>
gfs	CC	Townsend et al., "Human Cardiac Troponin T: Identification of Fetal Isoforms and Assignment of the TNNT2 Locus to Chromosome 1q," <u>Genomics</u> 22:311-316 (1994)
gfs	CD	Vallins et al., "Molecular cloning of human cardiac troponin I using polymerase chain reaction," <u>FEBS Letters</u> 270:57-61 (1990)

EXAMINER: <i>Dr. R. A. Buechler</i>	DATE CONSIDERED: <i>9-29-00</i>
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